In the Claims:

Please amend Claims 1, 4, 6-9; 12, 14-17, 20, and 22-24; cancel Claims 2, 5, 10, 13, 18, and 21; and add Claims 25-30 as shown below. Applicant respectfully reserves the right to prosecute any originally presented claims in a continuing or future application.

1.   (Currently Amended) A system for communicating information about server resources between servers in a cluster, comprising:

a server cluster having a plurality of cluster members servers, including a first server cluster member and a second server cluster member;

a set of resources or services on said first server cluster member that [[may]] can be used by other servers members in the cluster; [[and,]]

wherein said first server cluster member sends an advertisement of its services to other servers in the cluster members,

wherein if said second server cluster member determines [[it]] said second cluster member is out of synchronization with said first server cluster member, or missed an advertisement, said second server cluster member makes a Hypertext Transfer Protocol (HTTP) point-to-point request to said first server cluster member requesting [[any]] the advertisements missed; missed, and,

wherein said first server cluster member responds to said HTTP point-to-point request by sending a HTTP point-to-point response including an update of said first cluster member's Java Naming and Directory Interface (JNDI) tree updated information to said second server cluster member.

2.   (Canceled)

3.   (Original) The system of claim 1 wherein each member of the cluster receives the advertisement, but those members who do not need to be updated ignore the advertisement.

4.   (Currently Amended) The system of claim 1 wherein a third cluster member ~~server may be~~ is newly added to the cluster, and wherein said third cluster member ~~server~~ waits for advertisements from said plurality of cluster members and then makes HTTP point-to-point requests to each cluster member ~~server~~ requesting advertisements [[it]] said third cluster member missed from that particular cluster member ~~server~~.

5.   (Canceled)

6.   (Currently Amended) The system of claim 1 [[5]] wherein the determination as to whether the ~~first~~ second cluster member ~~server~~ is out of synchronization with said first cluster member ~~server~~, or missed an advertisement, is made by determining that the first cluster member's ~~server's~~ JNDI tree is out of synchronization with the second cluster member's ~~server's~~ JNDI tree.

7.   (Currently Amended) The system of claim 6 wherein the receipt of updated information at said second cluster member ~~server~~ is used to synchronize [[its]] said second cluster member's internal JNDI tree with the resources provided at said first ~~server~~ cluster member.

8.   (Currently Amended) The system of claim 5 wherein as part of the advertisement the first cluster member ~~server~~ packages a JNDI update of all [[if]] of its services and multicasts the package to all cluster members.

9.   (Currently Amended) A method of communicating information about server resources between servers in a cluster, comprising the steps of:
       providing a server cluster including a first cluster member ~~server~~ and a second cluster member ~~server~~, and resources operating thereon;
       sending an advertisement from said first cluster member ~~server~~ to other cluster members ~~servers~~ in the cluster announcing the resources or services on said first cluster member ~~server~~;

subsequently, if said second <u>cluster member</u> <s>server</s> determines [[it]] <u>said second cluster</u> <u>member</u> is out of synchronization with said first <u>cluster member</u> <s>server</s>, or missed an advertisement, making a <u>Hypertext Transfer Protocol (HTTP)</u> point-to-point request from said second <u>cluster member</u> <s>server</s> to said first <u>cluster member</u> <s>server</s> requesting [[any]] <u>the</u> advertisements missed; [[and,]]

receiving <u>a HTTP point-to-point response including an update of said first cluster</u> <u>member's Java Naming and Directory Interface (JNDI) tree</u> <s>updated information</s> from said first <u>cluster member</u> <s>server</s> at said second <u>cluster member</u> <s>server</s> and updating said second <u>cluster</u> <u>member</u> <s>server</s> accordingly.

10.   (Canceled)

11.   (Original)   The method of claim 9 wherein each member of the cluster receives the advertisement, but those members who do not need to be updated ignore the advertisement.

12.   (Currently Amended)   The method of claim 9 wherein a third <u>cluster member</u> <s>server</s> <s>may</s> <s>be</s> <u>is</u> newly added to the cluster, and wherein said third <u>cluster member</u> <s>server</s> waits for advertisements <u>from other cluster members</u> and then makes <u>HTTP</u> point-to-point requests to each <u>cluster member</u> <s>server</s> requesting advertisements [[it]] <u>said third cluster member</u> missed from that particular <u>cluster member</u> <s>server</s>.

13.   (Canceled)

14.   (Currently Amended)   The method of claim <u>9</u> [[13]] wherein the determination as to whether the <s>first</s> <u>second cluster member</u> <s>server</s> is out of synchronization with said first <u>cluster</u> <u>member</u> <s>server</s>, or missed an advertisement, is made by determining that the first <u>cluster</u> <u>member's</u> <s>server's</s> JNDI tree is out of synchronization with the second <u>cluster member's</u> <s>server's</s> JNDI tree.

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15.   (Currently Amended) The method of claim 14 wherein the receipt of updated information at said second cluster member <s>server</s> is used to synchronize [[its]] said second cluster member's internal JNDI tree with the resources provided at said first cluster member <s>server</s>.

16.   (Currently Amended) The system of claim 9 wherein as part of the advertisement the first cluster member <s>server</s> packages a JNDI update of all if its services and multicasts the package to all cluster members.

17.   (Currently Amended) A computer readable medium including instructions stored thereon which when executed cause [[the]] a computer or computers to perform the steps of :

        providing a server cluster including a first cluster member <s>server</s> and a second cluster member <s>server</s>, and resources operating thereon;

        sending an advertisement from said first cluster member <s>server</s> to other members <s>servers</s> in the cluster announcing the resources on said first cluster member <s>server</s>;

        subsequently, if said second cluster member <s>server</s> determines [[it]] said second cluster member is out of synchronization with said first cluster member <s>server</s>, or missed an advertisement, making a Hypertext Transfer Protocol (HTTP) point-to-point request from said second cluster member <s>server</s> to said first cluster member <s>server</s> requesting [[any]] the advertisements missed; and,

        receiving a HTTP point-to-point response including an update of said first cluster member's Java Naming and Directory Interface (JNDI) tree <s>updated information</s> from said first cluster member <s>server</s> at said second cluster member <s>server</s> and updating said second cluster member <s>server</s> accordingly.

18.   (Canceled)

19.   (Original) The computer readable medium of claim 17 wherein each member of the cluster receives the advertisement, but those members who do not need to be updated ignore the advertisement.

20.   (Currently Amended) The computer readable medium of claim 17 wherein a third <u>cluster</u> <u>member is</u> ~~server may be~~ newly added to the cluster, and wherein said third <u>cluster member</u> ~~server~~ waits for advertisements <u>from other cluster members</u> and then makes <u>HTTP</u> point-to-point requests to each <u>cluster member</u> ~~server~~ requesting advertisements [[it]] <u>said third cluster</u> <u>member</u> missed from that particular <u>cluster member</u> ~~server~~.

21.   (Canceled)

22.   (Currently Amended) The computer readable medium of claim <u>17</u> [[21]] wherein the determination as to whether the ~~first~~ <u>second cluster member</u> ~~server~~ is out of synchronization with said first <u>cluster member</u> ~~server~~, or missed an advertisement, is made by determining that the first <u>cluster member's</u> ~~server's~~ JNDI tree is out of synchronization with the second <u>cluster</u> <u>member's</u> ~~server's~~ JNDI tree.

23.   (Currently Amended) The computer readable medium of claim 22 wherein the receipt of updated information at said second <u>cluster member</u> ~~server~~ is used to synchronize [[its]] <u>said</u> <u>second cluster member's</u> internal JNDI tree with the resources provided at <u>said</u> first <u>cluster</u> <u>member</u> ~~server~~.

24.   (Currently Amended) The computer readable medium of claim 17 wherein as part of the advertisement the first <u>cluster member</u> ~~server~~ packages a JNDI update of all if its services and multicasts the package to all cluster members.

25.   (New) The system of claim 1 wherein a third cluster member is newly added to the server cluster, and wherein said third cluster member waits for advertisements from said plurality of cluster members and then makes a HTTP point-to-point request to a single cluster member requesting a statedump from said single cluster member.

26.   (New) The method of claim 9 wherein a third cluster member is newly added to the server cluster, and wherein said third cluster member waits for advertisements from other

cluster members and then makes a HTTP point-to-point request to a single cluster member requesting a statedump from said single cluster member.

27.   (New) The computer readable medium of claim 1 wherein a third cluster member is newly added to the server cluster, and wherein said third cluster member waits for advertisements from other cluster members and then makes a HTTP point-to-point request to a single cluster member requesting a statedump from said single cluster member.

28.   (New) The system of claim 1 wherein making a HTTP point-to-point request comprises opening a communication socket, sending the HTTP point-to-point request, and closing the communication socket.

29.   (New) The method of claim 9 wherein making a HTTP point-to-point request comprises opening a communication socket, sending the HTTP point-to-point request, and closing the communication socket.

30.   (New) The computer readable medium of claim 17 wherein making a HTTP point-to-point request comprises opening a communication socket, sending the HTTP point-to-point request, and closing the communication socket.